

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

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CENTRAL FAX CENTER****IN THE CLAIMS:**

DEC 03 2007

This listing of the claims will replace all prior versions and listings of the claims in the application:

1. (Currently Amended) A system, comprising:

a translator on a computer executable medium adapted to translate between extended grammar constructs of a machine readable language and basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translator configured to implement one or more configurable levels of precompilation; and

a compiler on a computer executable medium coupled to receive an output of said translator for compiling code written in said basic grammar constructs, wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file;

wherein said source file with extended grammar constructs is associated with basic executables;

wherein an exemplary file with extensions appears substantially as

Test-ASN

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

TESTOPERATION ::= CLASS

{

&arguments Arguments OPTIONAL



Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

```
  {  
  arguments Arguments  
  }  
  
  Arguments ::= CHOICE  
  {  
    argument1 INTEGER,  
    argument2 INTEGER,  
    argument3 INTEGER,  
    argument4 INTEGER,  
    argument5 INTEGER,  
    argument6 INTEGER,  
  }  
  
END -- of Test-ASN.
```

2. Canceled
3. (Previously Presented) A system in accordance with claim 1, said basic grammar constructs comprising X.680 grammar constructs.
4. (Original) A system in accordance with claim 3, said extended grammar constructs comprising at least one of X.681, X.682, or X.683 grammar constructs.
5. (Original) A system in accordance with claim 4, said translator comprising one or more lookup tables.
6. (Currently Amended) A method, comprising:  
providing a first source file, said first source file including extended grammar constructs of a machine readable language;  
translating said first source file into a second source file, said second source file containing only basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said translating including selecting from multiple configurable levels of precompilation; and

compiling said second source file using a compiler adapted to compile basic grammar constructs wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file;

wherein said source file with extended grammar constructs is associated with executables;

wherein an exemplary file with extensions appears substantially as

BEGIN

SIGNED { ToBeSigned } ::= SEQUENCE {  
toBeSigned ToBeSigned,  
algorithmOID OBJECT IDENTIFIER,  
signature BIT STRING  
}

H235CertificateSignature ::=SEQUENCE  
{  
argument Argument,  
signature SIGNED { EncodedReturnSig },  
...  
}

Argument ::= INTEGER  
EncodedReturnSig ::= NULL

END -- of Test-ASN;

and wherein an exemplary file without extensions appears substantially as

Test-ASN

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

```

H235CertificateSignature ::=SEQUENCE
{
  argument Argument,
  signature SEQUENCE {
    toBeSigned EncodedReturnSig,
    algorithmOID OBJECT IDENTIFIER,
    signature BIT STRING
  },
  ...
}

Argument ::= INTEGER
EncodedReturnSig ::= NULL

END -- of Test-ASN.

```

## 7. Canceled

8. (Previously Presented) A method in accordance with claim 6, said first source file comprising at least one of X.681, X.682, or X.683 grammar constructs.

9. (Original) A method in accordance with claim 8, said second source file comprising X.680 grammar constructs.

10. (Original) A method in accordance with claim 9, said translating comprising accessing a lookup table for equivalent constructs.

11. (Currently Amended) A method, comprising:  
 providing a translator adapted to translate between extended grammar constructs of a machine readable language and basic grammar constructs of said machine readable language, said machine readable language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

constructs into a basic source file containing only basic grammar constructs, said translator configured to implement multiple configurable levels of precompilation; and providing a compiler coupled to receive an output of said translator for compiling code written in said basic grammar constructs wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file;

wherein said source file with extended grammar constructs is associated with basic executables;

wherein an exemplary file with extensions appears substantially as

BEGIN

SIGNED { ToBeSigned } ::= SEQUENCE {  
    toBeSigned       ToBeSigned,  
    algorithmOID OBJECT IDENTIFIER,  
    signature BIT STRING  
}

H235CertificateSignature ::=SEQUENCE  
{  
    argument       Argument,  
    signature       SIGNED { EncodedReturnSig },  
    ...  
}

Argument ::= INTEGER  
EncodedReturnSig ::= NULL

END -- of Test-ASN;

and wherein an exemplary file without extensions appears substantially as

Test-ASN

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

```

H235CertificateSignature ::=SEQUENCE
{
  argument Argument,
  signature SEQUENCE {
    toBeSigned EncodedReturnSig,
    algorithmOID OBJECT IDENTIFIER,
    signature BIT STRING
  },
  ...
}

Argument ::= INTEGER
EncodedReturnSig ::= NULL

END -- of Test-ASN.

```

12. Canceled

13. (Previously Presented) A method in accordance with claim 11, said basic grammar constructs comprising X.680 grammar constructs.

14. (Original) A method in accordance with claim 13, said extended grammar constructs comprising at least one of X.681, X.682, or X.683 grammar constructs.

15. (Original) A method in accordance with claim 14, said translator comprising one or more lookup tables.

16. (Currently Amended) A computer-readable computer program product, comprising:

computer-readable program code on a computer-readable medium adapted to receive and translate extended grammar constructs of a computer-readable program language into basic grammar constructs of said computer-readable program language

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

for output to a compiler of program code written in said basic grammar constructs, said computer-readable program language being ASN.1, wherein a translation comprises reading a source file containing extended grammar constructs, performing a lookup table conversion of said source file of extended grammar constructs into a basic source file containing only basic grammar constructs, said computer-readable program code configured to implement multiple configurable levels of precompilation;

wherein said computer-readable program code is adapted to translate said extended grammar constructs into said basic grammar constructs by using one or more lookup tables;

wherein said compiler generates executable code implementing a function of the extended grammar constructs as compiled basic grammar constructs;

wherein said translation comprises a direct conversion from said source file to said basic source file;

wherein said source file with extended grammar constructs is associated with basic executables;

wherein an exemplary file with extensions appears substantially as  
Test-ASN

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

TESTOPERATION ::= CLASS

{  
    &arguments Arguments OPTIONAL

}  
WITH SYNTAX

{  
    [ARGUMENTS                      &arguments]  
}

Arguments ::= CHOICE

{  
    argument1 INTEGER,  
    argument2 INTEGER,



Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

```
_____ argument3 INTEGER,  
_____ argument4 INTEGER,  
_____ argument5 INTEGER,  
_____ argument6 INTEGER,  
_____ }
```

```
_____ myTestOperation TESTOPERATION ::=  
_____ {  
_____ ARGUMENTS  
_____ }
```

```
_____ TestOperationSet TESTOPERATION ::= {myTestOperation}
```

```
_____ myTest ::= SEQUENCE  
_____ {  
_____ arguments TESTOPERATION.&arguments({TestOperationSet})  
_____ }
```

```
_____ END -- of Test-ASN;
```

```
_____ and wherein an exemplary file without extensions appears substantially as
```

Test-ASNDEFINITIONS AUTOMATIC TAGS ::=BEGIN

```
_____ myTest ::= SEQUENCE  
_____ {  
_____ arguments Arguments  
_____ }
```

```
_____ Arguments ::= CHOICE  
_____ {
```

```
_____ argument1 INTEGER,  
_____ argument2 INTEGER,  
_____ argument3 INTEGER,  
_____ argument4 INTEGER,  
_____ argument5 INTEGER,  
_____ }
```

Serial No.: 09/586,410

Attorney Docket No.: 2000P07661US

argument6 INTEGER.  
}  
END - of Test-ASN.

17. Canceled

18. (Previously Presented) A computer-readable computer program product of claim 16, wherein said basic grammar constructs comprise X.680 grammar constructs, and wherein said extended grammar constructs comprise at least one of X.68x grammar constructs, where x is equal to 1, 2, or 3.